UNITED STATES DEPARTMENT OF AGRICULTURE

FOREST SERVICE

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S
PLANTING
Medicine Bow

January 5, 1940

ANNUAL PLANTING REPORT

FOR

1939

S
PLANTING
Medicine Bow

Laramie, January 5, 1940.

1939

ANNUAL PLANTING REPORT

MEDICINE BOW NATIONAL FOREST

January 1, 1939 to December 31, 1939.

Approved

J. S. VEEDER Forest Supervisor

Respectfully Submitted

B. J. ABRAHAMS Forest Ranger

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ANNUAL PLANTING REPORT 1939

1. Review of the Work of the Year.

A. Acreage, Name and Location of Areas.

Total Acreage Planted was:

Pole Mountain Project	391.9	Acres
Other Projects	96.5	Acres
Total	488.4	Acres

The legal sub-divisions in which the work was done are as follows:

Pole Mountain Project:

T.14 N., R.71 W., Sections 6, 7.
T.14 N., R.72 W., Sections 1, 12.
T.15 N., R.72 W., Sections 15.

Centennial Project:

T.15 N., R.78 W., Section 33.

Fox Park Project:

T.13 N.,R.77 W., Sections 4, 9.

No replanting was done on any of the projects.

Costs as compared with previous years:

See Sheet I, Appendix at end of this report.

B. Method and Season of Planting.

No regular planting camp was established for any of the projects on the forest this year. On the Pole Mountain Project Both regular hired labor and CCC labor was used. On the other projects CCC labor was used entirely. The regular hired labor furnished their own transportation to and from the job each day. The CCC labor for the Pole Mountain Project was all furnished from the Side Camp at the Nursery.

The methods used in planting was the deep hole method for the Ponderosa pine and for the Lodgepole Pine, and also for the J. Scopulorum on the Fox Park Project. All of the Douglas fir and Colorado Blue Spruce were planted on the Pole Mountain Project and the slit method was used for these species. In view of the severe drouth the survivals for the latter species indicates that the method used was justified.

Planting work started on April 24 on the Pole Mountain project and ended May 18. On the Fox Park Project work started April 26 and ended May 17. On the Centennial Project work started April 26 and ended May 11. It was felt at the time of planting that an insufficient amount of moisture was present and the entire project was shut down, but the following day it rained and work was resumed without interuption until the end of the job.

Weather Conditions.

There follows a tabulation of the precipitation during the last 12 months:

Precipitation on Pole Mountain District, December 1938 to December 1939 inclusive. Data taken from U.S.W.B. publications Climatological Data.

Year	Month	Normal°	Actual Pole Mt. Precip. Inches.	Greatest in 24 hrs inches	No. Days with Precip. of .01 or more	Distribution Snowfall etc. inches
1938	Dec.	.75	1.26	.62	9	15.4 Snow
1939	Jan.	.74	.74	.25	6	9.0 Snow
	Feb.	.81	1.15	.31	8	18.3 "
	Mar.	1.25	1.23	.42	9	16.5 "
	Apr.	2.77	1.90	.99	7	23.8 "
	May	2.76	2.22	.64	13	4.7 "
	June	1.58	1.18	.48	9	.4 "
	July	1.92	.53	.30	4	Rain
	Aug.	1.58	.40	.12	6	"
	Sept:	1.18	2.06	.58	9	.5 Snow
	Oct.	.64	.64	.37	5	6.1 "
	Nov.	.57	.01	.01	1	.2 "

Total precipitation for the year 13.32 inches.

° No Normal figures have as yet been established for Pole Mountain. The figures in this column are the averages for the previous eight years.

Since the United States Weather Bureau recognizes no "Normal" figure that is based on less than a ten year average from observations, Pole Mountain "normal" is unknown. However for comparison, the previous eight year average is shown. The growing season was none too warm with the exception of a period in July when we had a warm spell. More days with the temperatures above 80 were recorded this year than in the past, but we also recorded freezing weather every month this year.

The following tabulation shows the temperature range during the growing season this year:

Month	Max.	Min.	Mean Max.	Mean Min.	Mean	Days with 80° or above	Days with 32° or under
April	60.0	- 5.0	44.9	22.5	33.7	0	28
May	70	18	57.4	31.6	44.5	0	17
June	75	20	65.1	35.2	50.2	0	11
July	88	28	76.3	42.7	59.5	9	3
Aug.	80	28	70.7	40.3	55.5	1	6
Sept.	78	24	63.8	37.0	50.4	0	7

Precipitation from December to March inclusive was above normal, but from then on it was way below normal. Snow from last winter went off fast and during the time of planting we very very short of moisture. The soil was in good condition below the surface, but on some sites the top two inches of soil was dry. It was planned to stop all planting until some moisture fell, but only one day was it necessary to shut down. We didn't receive very much at that time, but it was felt to be sufficient to continue operations. It had also been planned to try some fall planting, but conditions were not good and none was done. The month of November would have been sure death to any plantations had they been planted this fall.

C. Species - Class and Number of trees per acre:

See Sheet A, Appendix at end of this report.

D. Labor Conditions, Wages etc.:

On the Pole Mountain Project approximately 80% of the trees planted were by hired labor. These men were paid at the rate of 50¢ per hour, and furnished their own transportation. The foremen of these same crews were paid $4.50 per eight hour day. The CCC crew was figured on the basis of $1.50 per day. The foremen were figured at actual wages. All labor on the project was under very good supervision and a high quality of work was accomplished. Good planting was stressed at all times and was given primary consideration. The hired crews averaged from 440 per day per man on Pinus ponderosa to 577 on Picea pungens. The CCC crew averaged 80 per day per man. On an hourly basis the figures would be, Hired labor 55, CCC 14.

The Centennial and Fox Park Projects were done entirely with CCC labor from the Mullen Creek and Chimney Park Camps. Both camps furnished Junior Foresters for foremen. The Mullen Creek Camp planted 52.7 M Pinus contorta and averaged 200 per man day, while the Chimney Park Camp planted 8.3M J. scopulorum and averaged 65 per man day. It was felt that a much better job of planting was done by the Mullen Creek Camp than by Chimney Park. The supervision was the vital factor.

E. Protection.

Porcupines - No regular project for eradication was carried out on the Pole Mountain Project or anywhere else on the district, but a number were killed when found by those employed on various projects during the year. Porcupines are on the increase and it is felt that a definite control project will be needed soon.

Rabbits - No control work is being done, but it is felt that a decided decrease in the numbers is taking place from natural causes.

Stock - Stock grazing is permitted on the Pole Mountain planting areas as in the past, and it is felt that very little damage results. The losses from drouth were so severe this year that a check on stock trampling was not undertaken. Riding and salting are factors in the prevention of stock damage to the plantations and this is taken care of by removing salt grounds from the areas.

Beaver - For the first time on Pole Mountain it has been found that the beaver has no regard for an established plantation. This was found in a 1937 spruce plantation where part of the plantation was flooded. A later check than the one during the survival check in September shows that practically 70% of this plantation is under water. The plantation was a small one, but it could have happened to a larger one as well.

Fire - No special fire protection is given the planted areas. On the whole the fire hazard is very low on the planted areas, and to date no losses from fire have occured. No need is felt at present for any special fire protection.

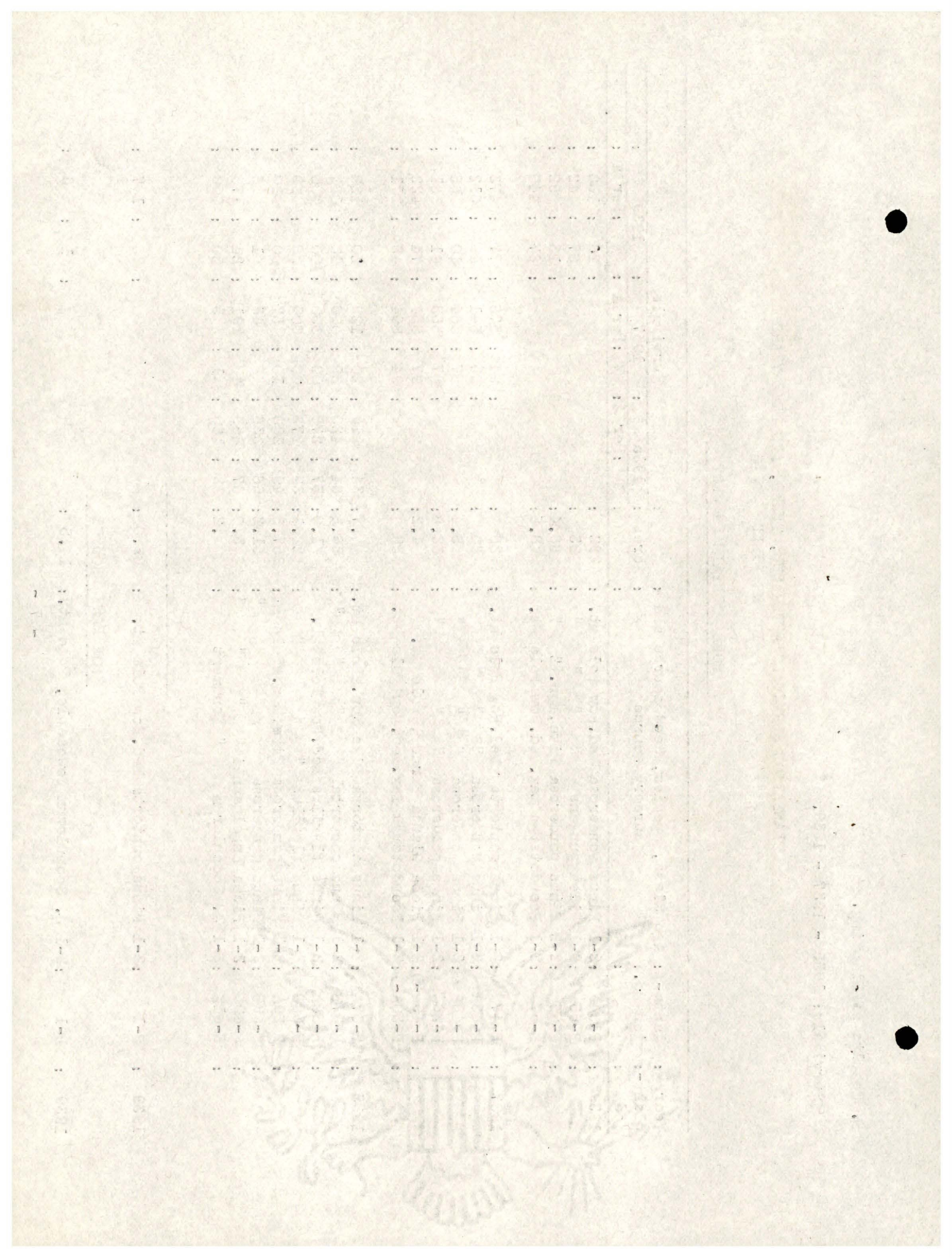
F. Results of Planting.

Survivals: 1935 - 1937 - 1939.

PLANTATION SURVIVALS AFTER ONE, THREE, AND FIVE YEARS IN THE FIELD

POLE MOUNTAIN PROJECT

Year planted	Plantation No.	Age Class, Species, Seed source and Nursery source	Acres	Survivals 1935 %	1935 Per A	1937 %	1937 Per A	1939 %	1939 Per A
1939	P-54	2-1 Pinus ponderosa Med.Bow Pole Mt.	292					26	160
	P-55	2-1 Picea pungens " " " "	23					67	442
	P-56	2-2 Pinus ponderosa Pike,Mon.&2 "	68.4					13	92
	P-57	2-1 Pseudotsuga tax.Med.Bow Pole Mt.	8.5					67	440
1937	P-47	2-1 Pinus contorta Med.Bow Pole Mt.	26			94	578	77	473
	P-48A	2-1 Pinus ponderosa " " " "	60			85	541	49	312
	P-48B	2-1 Pinus ponderosa " " " "	5.4			87	564	10	65
	P-48C	2-1 Pinus ponderosa " " " "	32.8			87	553	41	261
	P-49A-D	2-1 Picea Glauca Harney, Pole Mt.	4.2			97	554	74	422
	P-50A-I	2-1 Pseudotsuga Tax.Med.Bow Pole Mt.	38			94	594	43	271
1935	P-37AX	2-1 Pinus contorta Pike Mon.&Pole Mt.	.7	34	219	20	128	20	128
	P-37B	2-1 Pinus contorta " " " "	56.5	64	420	00	000	00	000
	P-38AX	2-1 Pinus flexilus Med.Bow Pole Mt.	1.0	37	278	00	000	00	000
	P-38B	2-1 Pinus flexilus " " " "	22.1	39	273	00	000	00	000
	P 39A	2-1 Pinus ponderosa Pike,Mon.&Pole MT	257.3	49	280	10	57	00	000
	P-39B	2-1 Pinus ponderosa " " " "	61.2	56	336	8	48	1	6
	P-40	3-1 Picea Engelmannii " " " "	3.0	67	488	40	291	24	175
	P-41X	2-1 J. Scopulorum " Monument	.2	32	160	1	5	00	000
		CENTENNIAL PROJECT							
1939	P-1	2-1 Pinus contorta Med.Bow Pole Mt.	82.0					23	137
		FOX PARK PROJECT							
1939	P-1	2-1 J. Scopulorum Newcastle, Pole Mt.	14.5					1	6



G. Organization of the work etc.

It was not necessary to establish a planting camp on any of the projects this year. The local men furnished their own transportation as the work on Pole Mountain was not very far from the nursery. The CCC of course had the transportation furnished. When the men were hired they were told that they must report for work every day or their place would be filled. Their own foremen had instructions to replace anyone missing from a reserve list. A number of extras were always on hand where the crews met in town and if a man failed to show up he was replaced. Very little of this was done, and after the job was approximately half finished no new men were hired. The crews were very good and approximately 40% of the men had planted on Pole Mountain previously. The foremen were all experienced planters and a very good job of supervision was the result.

The planters were organized into crews of ten men each with a water boy and a foreman. Due to the roughness of the planting sites the crews were not increased in size. A few of the planters became crippled from hurting their knuckles while tamping the dirt around the roots and these men were made water boys on the crews. The smaller palntations were planted by the same men as their hands became better. These plantations were all planted slit and they were well able to do it, as the results show.

This year all trees were culled at the nursery and to complete the process the trees were bundled at the culling table into bundles of approximately 50 each. The bundles were then packed in layers in the Nebraska type boxes with a layer of moss between layers. The trees were then taken directly to the area where the crews were working. The trees were always delivered to the job in the evening and the bundles were heeled in in a water hole. Enough trees were heeled in to take care of the next days needs and any of the bundles that were not used that day were the first ones used the following day. This system was used on all of the projects. A system of checking the counts was used by having the men count the trees in a bundle in the morning and in the afternoon. By averaging the counts and keeping a check on the bundles given out a good estimate was made. In all cases the check was very close to the nursery estimates.

All of the planters were equiped with the tree bag where the terrain was rough, and tree boxes were used by crews working where it was not so rough. The men using the bags were given one bundle at a time and in this way the trees were kept from becoming too dry at any time. Due to the slowness of some of the CCC crews the water boy was instructed to give out a half bundle to a man ata time. The foremen of these latter crews were also instructed to have the water boy water the trees if a man still had the same trees in his bag or box more than an hour after receiving them.

All foremen were given a supply of checking forms and one was kept for each man daily. In this way it could readily be seen what fault a man aws planting the trees with and also showed whether or not he was improving. Frequent inspections showed that a good check was being made and it is felt that an excellent job of planting resulted. It is felt that if moisture conditions had not been so short that a very high survival would have resulted.

H. Reforestation Policy. Plan of work for next 5 years.

Underplanting of aspen was done with the spruce and fir and also with some of the lodgepole pine. Where these trees were so used the survival is definitely higher. Ponderosa pine is not planted under aspen, but if a cover of sagebrush is on the area advantage is taken of the protection afforded to the trees. The ponderosa site this year was considered to be one of the best available and as previously stated survivals should have been very high except for the drouth. It is planned to do some replanting on this same area when conditions become suitable.

The nursery inventory of transplants now on hand for next years field planting is as follows:

Pinus ponderosa	228.7 M
Pinus contorta	21.6 M
Picea Engelmannii	14.6 M
Pseudotsuga taxifolia	25.1 M
Total	290.0 M

Assuming that the same number of trees will be planted per acre as has been averaged in the past, 600, a planting job of approximately 483 acres or approximately 30 acres above the average for the next five years as called for in the planting program.

As will be seen fromthe figures on sheet E the number of trees which will be available for the Following year will be far above the number required for the yearly average of 450 acres. It is expected that approximately 412 M trees will be available, and if all of them are to be planted on the Medicine Bow Forest it will mean a planting job of approximately 687 acres, or more than 50% above the planned program.

At present the plan calls for using as much CCC labor as possible. However it may be found necessary to use some local hired labor the same as was done this year. This will depend largely on the funds available. Due to the scarcity of suitable planting sites in the vicinity of the CCC Camps on the forest it is suggested that a good share of the work be done with local labor. In the event that CCC labor is to be used entirely it will mean approximately 2,000 man days for this fiscal year and 2,750 next year. By using local labor the job will require approximately 725 man days this fiscal year and 1,030 next year. On the basis of 20 working days during the planting season in the spring a crew of 30 planters should be used for local labor and 100 planters if CCC are used.

Attention is called to the acreage figures on Sheet E, appendix, for the fiscal years 1940-1941. The assumption is that an average of 600 trees will be planted per acre. The amount of stock on which these figures are based is taken from the present nursery inventory less a 10% loss to bring the present seedling stock to transplant size for field planting in the spring of 1941.

R-2 TM Handbook

A-68

SHEET A

Annual Planting Report

Medicine Bow National Forest January 5, 1940.

Planting

Project and plantation number	Acres	Species	Source and age of stock	Number of trees per acre	Trees	Cost per acre° Ground preparation	Planting	Transportation	Other	Total cost per A.	Value of contributed time included in total
(January to June)											
Pole Mountain Project			Pole Mt								
P 54	292.0	P.Ponderosa	2-1	616	8.37	0	6.45	.07	.05	14.94	.35
P 55	23.0	P.Pungens	2-1	661	8.30	0	5.41	.06	.06	13.83	.37
P 56	68.4	P.Ponderosa	Mon.& Pole Mt 2-2	711	8.69	0	16.02	.70	.06	25.47	.30
P 57	8.5	P.Taxifolia	Pole Mt 2-1	659	15.70	0	6.61	.06	.05	22.42	.37
(July to December)											
Centennial Project			Pole Mt								
P 1	82.0	P.Contorta	2-1	643	8.58	0	6.76	.16	.06	15.56	1.21
Fox Park Project											
P 1	14.5	J.Scop.	2-1	572	7.16	0	22.64	2.49	.05	32.34	2.25

Total acreage 488.4 Total cost $8358.69

Weighted average cost per acre for current year 17.12; for previous 5-year period 21.21 19.70 °°

Weighted average cost per M for current year 26.95; for previous 5-year period 34.99 33.12 °°

°See instructions on back of Form 134.

°°Do not include current year in this average.

1/4/38

°10/1/39

SHEET B

Annual Planting Report

Medicine Bow National Forest

Coniferous Seed Collection and Extraction

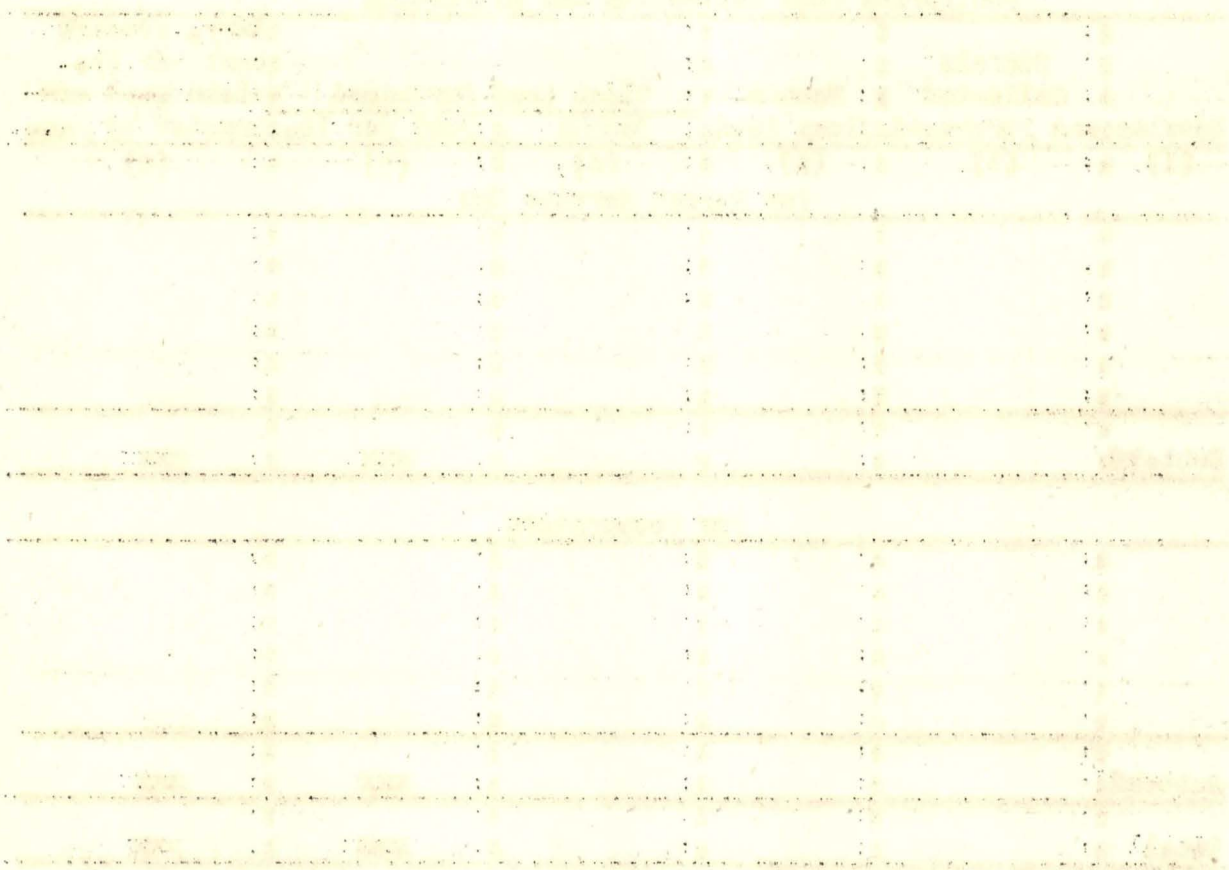
Species (1)	Bushels Collected and Purchased (2)	Pounds Clean Seed (3)	Clean Seed Purchased Pounds (4)	Clean Seed Purchased Cost per lb. (5)	5-yr. average cost per lb. clean seed extracted by F.S. (6)
For Forest Service Use					
		NONE			
Subtotal				xxx	xxx
For Cooperators					
		NONE			
Subtotal				xxx	xxx
Total				xxx	xxx

Col. (1) Group minor species, involving only a few pounds of seed, in one entry "minor spp."
List major species usually collected, even though none gathered this year, so that average costs may be entered in col. (6).
Make only 1 entry for each species. Show total quantities in cols. (2), (3), (4) and weighted average costs in cols. (5), (6).

Col. (3) Enter if available. If not, show "no data." It is not required that missing data be submitted later.

Col. (4), (5). Report amount and cost of purchased seed, as distinct from purchased cones or fruits shown in Col. (2).

Col. (6) Weighted average cost of clean seed of major species collected and extracted during previous 5 years.



SHEET C °10/1/39

Annual Planting Report

Medicine Bow National Forest

Hardwood Seed Collection and Extraction

Species	Bushels Collected and Purchased	Pounds Clean Seed	Clean Seed Purchased: Pounds	Clean Seed Purchased: Cost per lb.	5-yr. average cost per lb. clean seed extracted by F.S.
(1)	(2)	(3)	(4)	(5)	(6)
For Forest Service Use					
		NONE			
Subtotal				xxx	xxx
For Cooperators					
		NONE			
Subtotal				xxx	xxx
Total				xxx	xxx

Col. (1) Group minor species, involving only a few pounds of seed, in one entry "minor spp."
List major species usually collected, even though none gathered this year, so that average costs may be entered in col. (6). Make only 1 entry for each species. Show total quantities in cols. (2), (3), (4) and weighted average costs in cols. (5), (6).

Col. (3) Enter if available. If not, show "no data." It is not required that missing data be submitted later.

Col. (4), (5). Report amount and cost of purchased seed, as distinct from purchased cones or fruits shown in Col. (2).

Col. (6) Weighted average cost of clean seed of major species collected and extracted during previous 5 years.

SHEET D

Annual Planting Report

Medicine Bow National Forest

Seed on Hand After Fall Sowing

Species	Pounds Seeds	Normal Annual Use, Pounds
(1)	(2)	(3)
	NONE	
Total		

Footnotes applicable to sheets B, C, and D.

Col. 1. Use scientific names
Group minor species, involving only a few pounds of seed, in one entry "minor spp."

Col. 3. (Sheets B & C) Include cost of transportation to extractory or nursery.

Col. 3-6 (col. 2, sheet D) If data are not available, leave spaces blank and forward completed table as soon as extraction is finished. Include along with any current expenditures for minor items of equipment, any annual depreciation charges on other seed extraction equipment used as obtained from the investment records of the Forest.

Col. 7-8 Report amount and cost of purchased seed, as distinct from purchased cones (or fruits requiring extraction) which are included in column 2.

°3/9/38

SHEET E

Annual Planting Report

Medicine Bow National Forest

I. The Planting Job - Acres°°

State and Forest	Areas planted and seeded to date	Areas to be Planted Covered by Intensive Planting Surveys: Current Year Gross	Current Year Net	Net total to date	Needing intensive surveys	Total	Average annual planned planting program for next 5 years	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
Wyo. Medicine Bow Pole Mt.	1363.8	0	0	13,523.5	0	13,523.5		450A
Other Med. Bow	556.5	0	0	1,503.5	12,230	13,733.5		
	2018.3							
Total	1920.3	0	0	15,027.0	12,230	27,257.0		450A

°II. Reforestation Recommended for Current and Next Fiscal Years°°

Fiscal Year	Name of Planting Project	Number of acres to be planted	Species and age-class	Method to be used	Planting Season	Total number of trees needed	Shipping Address and Instructions
			See Next Page				
Total							

°III. Estimated Cost of Reforestation Recommended-Current & Next F.Y.'s°°

Fiscal Year	Number of acres	Actual Cash Outlay Required Per Acre	Total Cash Outlay Necessary	Contributed Time and Expense	Indicate Availability of ERA or CCC labor
			See Next Page		
Total					

°°See instructions on back of the form.

°3/9/38

I. The Planting Job.

Col. 1 Enter subtotals by States.

Col. 2 Include all plantations and seedings with present stand of 250 or more trees per acre, including plantations of the current year. Include replanted areas only once.

Col. 3 Total area covered by intensive planting surveys during the current year.

Col. 4 Area found to be in need of planting.

Col. 5 Total area, covered to date by intensive planting surveys, in need of planting and not yet planted; including areas shown in column 4.

Col. 6, 7 Best estimate of acreage needing planting on present National Forest lands including lands approved for purchase by the N. F. Reservation Commission or to be acquired through pending exchanges which have been approved by the Secretary of Agriculture. If desired, other lands in process of acquisition may be discussed separately in the body of the report.

If total area in column 7 does not equal the sum of areas in columns 5 and 6, explain by footnote.

°II. Reforestation Recommended for Current and Next Fiscal Years.

Show separately for each fiscal year the reforestation projects recommended.

°III. Estimated Cost of Reforestation Recommended - Current & next F.Y.'s.

Show separately for each fiscal year the estimated amounts of planting funds needed exclusive of contributed time and expenses of Rangers, CCC, ERA, or other available labor.

SHEET E

Annual Planting Report

Medicine Bow National Forest

II. Reforestation Recommended for Current and Next FIscal Year.

Fiscal Year	Name of Planting Project	Number of Ac. to be Planted	Species and Age class	Method to be used	Planting Season	Total Number of Trees needed	Shipping Address and instructions
1940	Pole Mt.	381	2-1P.Ponderosa	Deep Hole	Spring	228.7	Pole Mt.
	" "	24	3-1P.Engelman.	Slit	"	14.6	" "
	" "	42	3-OP.Taxifolia	Slit	"	25.1	" "
	Centenn-ial	36	2-1P.Contorta	Deep Hole	"	21.6	Centennial
1941	Pole Mt.	575	2-1P.Ponderosa	Deep Hole	Spring	345.1	Pole Mt.
	" "	46	3-OP.Taxifolia	Slit	"	27.8	" "
	" "	18	3-1P.Engelmann.	Slit	"	10.8	" "
	Centenn-ial	47	2-1P.Contorta	Deep Hole	"	28.3	Centennial
		1169			Spring	701.9	

III. Estimated Cost of Reforestation Recommended Current and Next F.Y.

Fiscal Year	Number Acres	Actual Cash outlay required Per A.	Toatal Cash Outlay Necessary	Contributed Time and Exp.	Availability of CCC or ERA Labor
1940	483	$6.00°	$2,898	$200	CCC Side Camp of 45 man capacity now at Pole Mt.
1941	686	$6.00	$4,116	$200	No ERA.
Total	1169	$6.00	$7,014	$400	

° Based on hired labor @ $4.00 for eight hour day, no subsistance.

°10/1/39

SHEET F

Annual Planting Report

Medicine Bow National Forest

Plantation and Seeding Survival°°
(Exclusive of Areas Completely Destroyed by Fire)

Age (1)	State and Forest (2)	Satisfactory (3)	Unsatisfactory (4)	Total (5)
	PLANTING			
1 Year	Medicine Bow Wyo.	382.8	0	382.8
	Sub-total Planting	382.8	0	382.8
	SEEDING			
Old		0	0	0
	Sub-total Seeding	382.8	0	382.8
Total one year old		382.8	0	382.8
	PLANTING			
Older Than 1 Year	Medicine Bow Wyo.	589.1	1684.9	2274.0
	Sub-total Planting	589.1	1684.9	2274.0
	SEEDING			
	Medicine Bow Wyo.	460.0	0	460.0
	Sub-total Seeding	460.0	0	460.0
Total older than 1 year		1049.1	1684.9	2734.0
Total all planting		971.9	1684.9	2656.8
Total all seeding		460.0	0	460.0
Total all planting and seeding		1431.9	1684.9	3116.8

°°See instructions on back of the form.

Col. (1) First-year survival should be entered opposite "1 Year Old," which should include all plantations which have completed at least one summer and one winter in the field. Under this plan any plantation planted in the fall will be recognized as one year old in exactly one year but all spring plantations must pass through two summers and one winter before they can qualify as one year old.

Enter opposite "Older Than 1 Year" the most recent survival data for all plantations older than those recorded above. Thus, for a plantation examined the first and fifth year after planting, data in these columns for the second, third, and fourth years will be the same as those shown above for first year. Fifth year and subsequent entries will be based on fifth year survivals.

Col. (2) Enter sub-totals by States.

Col. (3),(4) Include replanted areas only once. Do not include unsatisfactory seedings made prior to 1915. Satisfactory plantations are those having a stand of 250 living trees per acre well distributed over the area. Plantations or seeding areas having less than 250 trees per acre or on which the distribution is decidedly uneven will be classed as unsatisfactory.

SHEET G

Annual Planting Report

Medicine Bow National Forest

Summary of Planting, Seeding, Replanting, Reseeding, Loss

State and Forest (1)	Class (2)	Acres Planted or Seeded: Current Year (3)	Acres Planted or Seeded: Previous Years (4)	Acres Planted or Seeded: Total to date (5)	Acres Lost from All Causes (6)	Net total acres to date (7)
Planting						
Med. Bow Wyo.	Original	488.4	2656.8	3145.2	xxxx	xxxx
	Replanting	0	58.0	58.0	xxxx	xxxx
	Subtotal	488.4	2714.8	3203.2	~~1562.0~~ 1644.9	~~1641.2~~ 1558.3
Total Planted	Original				xxxx	xxxx
	Replanting				xxxx	xxxx
	Total					
Seeding						
Med. Bow	Original	0	460	460	xxxx	xxxx
Wyo.	Reseeding	0	0	0	xxxx	xxxx
	Subtotal	0	460	460	0	460
Total Seeded	Original				xxxx	xxxx
	Reseeding				xxxx	xxxx
	Total					
Total Planted & Seeded	Original	488.4	3116.8	3605.2	xxxx	xxxx
	Replacement	0	58.0	58.0	xxxx	xxxx
	Total	488.4	3174.8	3663.2	~~1562.0~~ 1644.9	~~2101.2~~ 2018.3

Col. 2. For each Forest with replanting or reseeding to report in columns 3 to 7 inclusive, set up classes as shown. Enter subtotal for each State, by the three classes.

Col. 3-5 Total area (exclusive of "experimental" plantations and

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SHEET H

Annual Planting Report

Medicine Bow National Forest

Current Planting and Seeding

State and Forest	Spring: Acres planted or seeded	Spring: M trees or lb. seed used	Fall: Acres planted or seeded	Fall: M trees or lb. seed used	Total: Acres planted or seeded	Total: M trees or lb. seed used
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Planting						
Medicine Bow Wyoming	488.4	310.2	0	0	488.4	310.2
Subtotal	488.4	310.2	0	0	488.4	310.2
Total	488.4	310.2	0	0	488.4	310.2
Seeding						
Subtotal						
Total						
Total planted & seeded	488.4	310.2	0	0	488.4	310.2

Col. 1 Include subtotals by States.

Col. 6 Subtotals and totals will equal similar figures in table 7, col. 3.

*Col. 3, 5, 7. Report M trees for planting; pounds of seed for direct seeding. If purchased stock, wildings, etc., used in quantities, explain by footnote.

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SHEET I

Annual Planting Report

Medicine Bow National Forest

Current and Average Planting and Seeding Costs

State (1)	Elements of Cost (2)	Weighted Average Costs: Current Year: Per Acre (3)	Current Year: Per M or per lb. (4)	5-year average: Per acre (5)	5-year average: Per M or per lb. (6)
		Planting			
Wyoming	Stock	~~8.13~~ 8.54	13.44	11.69 10.39	~~19.19~~ 17.47
Medicine Bow	Planting	~~8.99~~ 8.57	13.51	~~9.52~~ 9.31	~~15.80~~ 15.65
	Total	17.12	~~26.95~~	~~21.21~~ 19.70	~~34.99~~ 33.12
	Stock				
	Planting				
	Total				
		Seeding			
	Seed				
	Seeding				
	Total				
	Seed				
	Seeding				
	Total				

Col. 2. If ground preparation for seeding or planting is a separate operation, it may be segregated as a third element. Ground preparation should be shown separately only for those Regions or Forests where the major part of the planting is done on ground previously prepared. Under these instructions no ground preparation charge should be shown for Region 2 Forests.

Col.3-6. Show current and average costs by the two elements (stock, planting) and total for each State. Do not include current year's figures in 5-year average shown in Columns (5) and (6).

Col.4,6. Use "per M" costs for planting, "per lb." costs for seeding.

SHEET J

Annual Planting Report

Medicine Bow National Forest

Blister Rust Control

State	Forest	Acres planted needing Ribes eradication: Eradicated	Acres planted needing Ribes eradication: To be eradicated	Acres needing Ribes eradication because of expected future planting
(1)	(2)	(3)	(4)	(5)
		NONE		
Total				

Col. 3, 4, 5. Report gross area, including isolation zone surrounding plantations.
Report accomplishment of or need for initial treatment. It is assumed that report treatments will be scheduled and accomplished as needed.

Col. 4. In report discuss plans for treating areas reported in this column.

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SHEET K

Annual Planting Report

Medicine Bow National Forest

Knutson-Vandenberg Fund Planting

State and Forest	Planting: Current Year: Acres planted	Planting: Current Year: M stock planted	Planting: Total to Date: Acres planted	Planting: Total to Date: M stock planted	Expenditures: Current year	Expenditures: Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
		NONE				
Total						

Col. 2. Report Spot Planting by M only and explain by footnote. Show seeding separately.

Col. 2,4. Areas reported here are also included in current and total planting in table No. 7 and in current planting in table No. 8